

FIG. 1

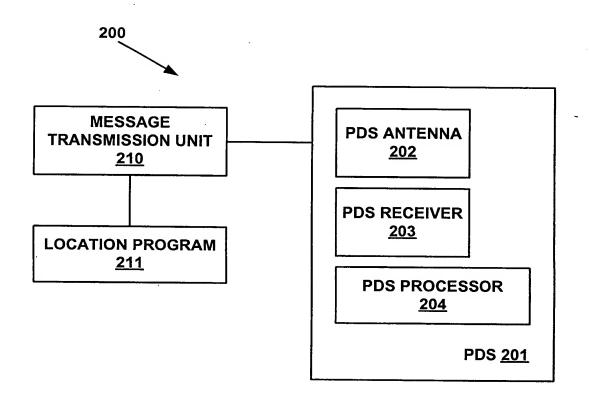
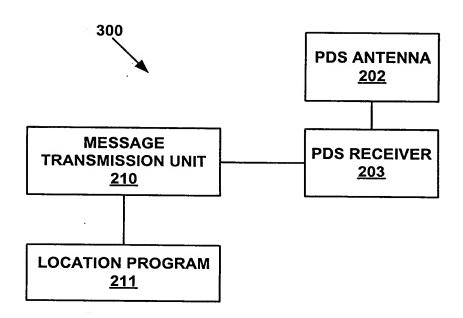


FIG. 2



400 -

GENERATE MESSAGE AT MESSAGE TRANSMISSION DEVICE (MESSAGE CAN INCLUDE ONE OR MORE INSTRUCTIONS)

401

RECEIVE PDS SIGNALS AT MESSAGE TRANSMISSION DEVICE
402

DETERMINE POSITION OF MESSAGE TRANSMISSION DEVICE
403

GENERATE POSITION HEADER THAT INCLUDES DETERMINED POSITION
404

INSERT POSITION HEADER INTO MESSAGE
405

TRANSMIT MESSAGE FROM MESSAGE TRANSMISSION DEVICE TO SERVER

RECEIVE MESSAGE AT SERVER
407

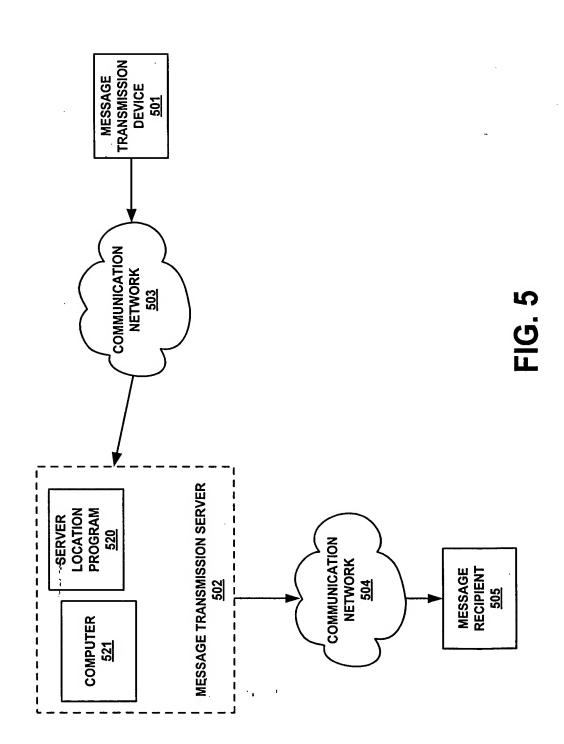
<u>406</u>

GENERATE SECOND MESSAGE THAT COMPLIES WITH ANY INSTRUCTIONS INCLUDED IN MESSAGE TRANSMITTED FROM MESSAGE TRANSMISSION DEVICE 408

TRANSMIT SECOND MESSAGE FROM SERVER THAT COMPLIES WITH ANY INSTRUCTIONS INCLUDED IN MESSAGE TRANSMITTED FROM MESSAGE TRANSMISSION DEVICE

409

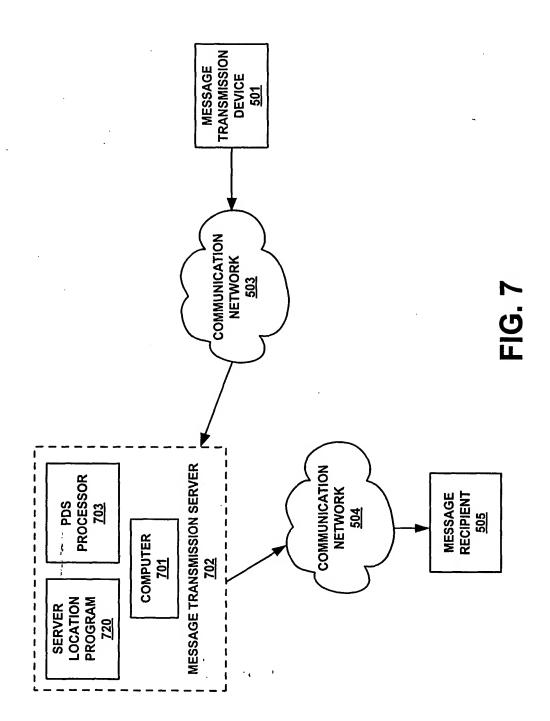
FIG. 4



600 -GENERATE MESSAGE AT MESSAGE TRANSMISSION DEVICE (MESSAGE **CAN INCLUDE ONE OR MORE INSTRUCTIONS)** <u>401</u> RECEIVE PDS DATA AT MESSAGE TRANSMISSION DEVICE 402 GENERATE POSITION HEADER THAT INCLUDES PDS DATA <u>604</u> **INSERT POSITION HEADER INTO MESSAGE** 605 TRANSMIT MESSAGE FROM MESSAGE TRANSMISSION DEVICE **TO SERVER** <u>606</u> **RECEIVE MESSAGE AT SERVER** 607 CALCULATE POSITION OF MESSAGE TRANSMISSION DEVICE <u>610</u> GENERATE SECOND MESSAGE THAT COMPLIES WITH ANY INSTRUCTIONS INCLUDED IN MESSAGE TRANSMITTED FROM MESSAGE TRANSMISSION DEVICE AND THAT INCLUDES POSITION OF **MESSAGE TRANSMISSION DEVICE** 608

TRANSMIT SECOND MESSAGE FROM SERVER THAT COMPLIES WITH ANY INSTRUCTIONS INCLUDED IN MESSAGE TRANSMITTED FROM MESSAGE TRANSMISSION DEVICE 609

FIG. 6



## **EXEMPLARY INSTRUCTIONS**

801	SEND RETURN MESSAGE TO SENDER THAT INCLUDES DETERMINATION OF POSITION IN ECEF COORDINATES
802	SEND RETURN MESSAGE TO SENDER THAT INCLUDES DETERMINATION OF POSITION AS STREET AND NEAREST CROSS STREET
803	SEND RETURN MESSAGE TO SENDER THAT INCLUDES DETERMINATION OF POSITION AS STREET ADDRESS
804	SEND RETURN MESSAGE TO SENDER THAT INCLUDES DETERMINATION OF POSITION IN LATITUDE AND LONGITUDE
<u>805</u>	SEND RETURN MESSAGE TO SENDER THAT INCLUDES DETERMINATION OF POSITION IN MAP COORDINATES
806	SEND MESSAGE TO ADDRESSEE THAT INCLUDES DETERMINATION OF POSITION IN LATITUDE AND LONGITUDE
807	SEND MESSAGE TO ADDRESSEE THAT INCLUDES DETERMINATION OF POSITION AS STREET AND NEAREST CROSS STREET
808	SEND MESSAGE TO ADDRESSEE THAT INCLUDES DETERMINATION OF POSITION AS STREET ADDRESS
809	SEND MESSAGE TO ADDRESSEE THAT INCLUDES DETERMINATION OF POSITION IN WGS84 COORDINATES
<u>810</u>	SEND MESSAGE TO ADDRESSEE THAT INCLUDES DETERMINATION OF POSITION IN MAP COORDINATES
811	SEND MESSAGE TO SERVICE PROVIDER THAT INDICATES SENDER'S POSITION-AUTOMATED ROUTING TO SERVICE PROVIDER'S FACILITY THAT IS NEAREST TO SENDER'S POSITION
<u>812</u>	SEND FORMATTED MESSAGE THAT INDICATES POSITION
813	SEND FORMATTED MESSAGE TO SERVICE PROVIDER THAT INDICATES SENDER'S POSITION-AUTOMATED ROUTING TO SERVICE PROVIDER'S FACILITY THAT IS NEAREST TO SENDER'S POSITION
<u>814</u>	SEND RETURN MESSAGE THAT IS RESPONSIVE TO QUERY
815	SEND MESSAGE THAT INSTRUCTS THAT A TASK IS TO BE PERFORMED THAT RELATES TO POSITION
816	SEND MESSAGE TO AUTOMATED DEVICE INSTRUCTING PERFORMANCE OF TASK WHEN DETERMINED POSITION MEETS CRITERIA
817	SEND MESSAGE TO AUTOMATED GATE OPENING DEVICE INSTRUCTING THAT GATE BE OPENED WHEN DETERMINED POSITION IS NEAR GATE
818	SEND MESSAGE TO ALARM SYSTEM INSTRUCTING THAT THE ALARM SYSTEM BE DEACTIVATED WHEN THE DETERMINED POSITION IS NEAR THE ALARM SYSTEM
819	SEND MESSAGE AND ROUTE MESSAGE ACCORDING TO ADDRESSEE AND ACCORDING TO